

AMENDMENTS TO THE ABSTRACT:

Please replace the originally filed Abstract with the Abstract shown on the attached separate page.

ABSTRACT OF THE DISCLOSURE

A device for monitoring an opaque body by categorising scattering characteristics of the opaque body at microwave frequencies includes (a) at least one low power microwave emitter for locating adjacent the opaque body; (b) a microwave detector for detecting fluctuations in the scattering characteristics from the opaque body; and (c) a signal processor for analysing the fluctuations from the opaque body to calculate scattering parameters for providing a measure indicative of the fluctuations in the scattering characteristics.